

## AMENDMENTS TO THE CLAIMS

1. - 24 (Canceled)

25. (Currently Amended) An isolated nucleic acid ~~consisting of X nucleotides, wherein X is 16-120 and~~ the sequence of the nucleic acid ~~comprises~~ is selected from the group consisting of:

- (a) ~~at least Y consecutive nucleotides of SEQ ID NO: 700237510068310, wherein Y is at least 16;~~
- (b) ~~an RNA equivalent of~~ encoded by (a);
- (c) ~~a sequence at least 80% identical to (a) or (b); or~~ and
- (d) ~~the complement of any one of (a)-(c), wherein the complement is identical in length to (a).~~

26. (Withdrawn) The nucleic acid of claim 25, wherein the at least Y nucleotides is of a sequence selected from the group consisting of SEQ ID NOS: 6876154, 6852582, 6792146, 6866677, 6816665, 6807279, 6766934, 6764600, 6846774, 6759618, 6797277, 6859396, 6862412, 6758196, 6767976, 6864591, 6846490, 6827549, 6824457, 6832127, 6773276, and 6791269.

27. (Currently Amended) ~~The~~ An isolated nucleic acid of claim 25, wherein the ~~at least Y nucleotides are of the sequence of SEQ ID NO: 7002375~~ of the nucleic acid is selected from the group consisting of:

- (a) SEQ ID NO: 6816665;
- (b) an RNA encoded by (a); and
- (c) the complement of (a) or (b), wherein the complement is identical in length to (a).

28. (Canceled)

29. (Withdrawn) The nucleic acid of claim 28, wherein Y consecutive nucleotides is of a sequence selected from the group consisting of SEQ ID NO: 6876154, 6852582, 6792146, 6866677, 6816665, 6807279, 6766934, 6764600, 6846774, 6759618, 6797277, 6859396, 6862412, 6758196, 6767976, 6864591, 6846490, 6827549, 6824457, 6832127, 6773276, and 6791269.

30. (Currently Amended) ~~The~~ An isolated nucleic acid of claim 28, wherein the ~~Y consecutive nucleotides are of the sequence of SEQ ID NO: 7002375~~ the nucleic acid is selected from the group consisting of:

- (a) SEQ ID NO: 7014085;
- (b) an RNA encoded by (a);
- (c) a sequence at least 80% identical to (a) or (b); and

(d) the complement of any one of (a)-(c), wherein the complement is identical in length to (a).

31. (Currently Amended) A vector comprising the nucleic acid of any one of claims 25, 27,~~28~~, or 30.

32. (Canceled)

33. (Withdrawn) A method for detecting the nucleic acid of claim 27 comprising:

(a) providing a biological sample; and

(b) measuring the level of the nucleic acid,

wherein a difference in the level of the nucleic acid compared to a control is indicative of the presence of the nucleic acid.